

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service in an envelope as "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R.1.10, Mailing Label No. EL640514257US and is addressed to the: Assistant Commissioner for Patents, Washington, D. C. 20231.

Date: October 16, 2001

*W. Liddell, Jr.*  
Willburn Liddell, Jr.



**PATENT**  
**512539-171**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>Applicants:</b> ROBERT S. SYMONS, JAY L. HIRSHFIELD AND CHANGBIAO WANG <b>Serial No.:</b> 09/921,529 <b>Filed:</b> July 31, 2001 <b>Title:</b> Multi-Stage Cavity Cyclotron Resonance Accelerator	<b>Art Unit:</b>  <b>Examiner:</b>  <div style="text-align: right;"><b>RECEIVED</b> <b>OCT 22 2001</b> <b>TECHNOLOGY CENTER 2800</b></div>
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**TRANSMITTAL OF PROPERTY RIGHTS STATEMENT**

Assistant Commissioner for Patents  
Attention: Licensing and Review  
Washington, D.C. 20231

Sir:

In response to the Notice (Form PTOL-456) mailed September 6, 2001, enclosed is a Property Rights Statement by Robert S. Symons, Jay L. Hirshfield and Changbiao Wang.

Also enclosed for your convenience is a copy of the Notice (Form PTOL-456).

Respectfully submitted,

Brian M. Berliner  
Attorney for Applicants  
Registration No. 34,549

Date: October 16, 2001

**O'MELVENY & MYERS LLP**  
400 So. Hope Street  
Los Angeles, CA 90071-2899  
Telephone: 213-430-6000



**PATENT**  
512539-171

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re the application of:**

ROBERT S. SYMONS;  
JAY L. HIRSHFIELD and  
CHANGBIAO WANG

**Serial No.:** 09/921,529

**Filed:** July 31, 2001

**Title:** Multi-Stage Cavity Cyclotron  
Resonance Accelerator

**Art Unit:**

**Examiner:**

**PROPERTY RIGHTS STATEMENT**

Assistant Commissioner for Patents  
Attention: Licensing and Review  
Washington, DC 20231

Sir:

We, Robert S. Symons, a citizen of the United States of America and residing at 290 Surrey Place, Los Altos, California 94022; Jay L. Hirshfield, a citizen of the United States of America and residing at 55 Kildeer Road, Hamden, Connecticut 06517; and Changbiao Wang, a citizen of the People's Republic of China and residing at 470 Prospect Street, Apartment 72, New Haven, Connecticut 06511, hereby declare:

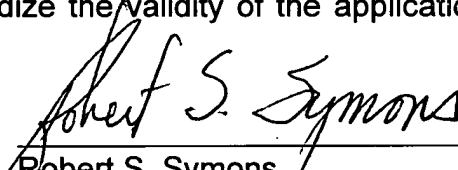
1. We made and conceived the invention described and claimed in patent application Serial No. 09/921,529, filed in the United States of America on July 31, 2001, entitled MULTI-STAGE CAVITY CYCLOTRON RESONANCE ACCELERATOR.

2. We made and conceived this invention while employed by Litton Systems, Inc. (Symons only) and Yale University (Hirshfield and Wang only). The invention is related to the work we are employed to perform and was made within the scope of our employment duties. The invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of our respective employers. The invention was conceived using information on accelerator driven transmutation technology obtained through attendance of public conferences on that subject, coupled with our own extensive knowledge and experience of particle accelerator devices.

3. To the best of our knowledge and belief, the invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors, the Energy Research and Development Administration or the Department of Energy.

The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: Oct 15, 2001

  
\_\_\_\_\_  
Robert S. Symons  
Post Office Address:  
290 Surrey Place, Los Altos, CA 94022

Date: \_\_\_\_\_

\_\_\_\_\_  
Jay L. Hirshfield  
Post Office Address:  
55 Kildeer Road, Hamden, CT 06517

Date: \_\_\_\_\_

\_\_\_\_\_  
Changbiao Wang  
Post Office Address:  
470 Prospect Street, Apartment 72,  
New Haven, CT 06511

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JAY L. HIRSHFIELD and  
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Date: \_\_\_\_\_

Robert S. Symons  
Post Office Address:  
290 Surrey Place, Los Altos, CA 94022

Date: J. Hirshfield ← \_\_\_\_\_

10/10/01

Jay L. Hirshfield  
Post Office Address:  
55 Kildeer Road, Hamden, CT 06517

Date: 10/10/01 \_\_\_\_\_

Changbiao Wang  
Changbiao Wang  
Post Office Address:  
470 Prospect Street, Apartment 72,  
New Haven, CT 06511